



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/680,690	10/07/2003	Ravi Kuchibhotla	CS23737RL	6201

20280 7590 03/22/2007  
MOTOROLA INC  
600 NORTH US HIGHWAY 45  
ROOM AS437  
LIBERTYVILLE, IL 60048-5343

EXAMINER
----------

VU, MICHAEL T

ART UNIT	PAPER NUMBER
----------	--------------

2617

MAIL DATE	DELIVERY MODE
-----------	---------------

03/22/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action  
Before the Filing of an Appeal Brief**

Application No.

10/680,690

Applicant(s)

KUCHIBHOTLA ET AL.

Examiner

Michael Vu

Art Unit

2617

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 02 March 2007 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.  
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2. ☐ The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

**AMENDMENTS**

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because  
(a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);  
(b) ☐ They raise the issue of new matter (see NOTE below);  
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).


4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).  
5. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
6. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).  
7. ☒ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.  
The status of the claim(s) is (or will be) as follows:  
Claim(s) allowed: \_\_\_\_\_.  
Claim(s) objected to: \_\_\_\_\_.  
Claim(s) rejected: 1 and 3-24.  
Claim(s) withdrawn from consideration: \_\_\_\_\_.

**AFFIDAVIT OR OTHER EVIDENCE**

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).  
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).  
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

**REQUEST FOR RECONSIDERATION/OTHER**

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Continuation Sheet.  
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). \_\_\_\_\_.  
13. ☐ Other: \_\_\_\_\_.

  
**JOSEPH FEILD**  
SUPERVISORY PATENT EXAMINER

## ADVISORY ACTION

### *Response to Arguments*

1. Applicant's arguments filed 03/02/2007 have been fully considered but they are not persuasive.
2. On page 10, of Applicant's Remarks/Arguments, Applicant argues that Haverinen fails to show or suggest "determining whether the selected public land mobile network identifier corresponds to a shared network" on page 10, line 14-24.
3. In response, the examiner have been carefully reviewed the Applicant's Remarks or Arguments. Thus, the examiner must give the broadest reasonable interpretation to all claims presented that Haverinen does indeed teach a PLMN network element indicated by an identifier is an authentication server, and **can be shared by several UMTS networks** (See paragraph [0032]). The authentication server defined by the network element identifier linked with the identifier of the selected PLMN thus performs the authentication between each user and the PLMN. Data transmission services can be provided in a local network and/or a PLMN where the mobile station is roaming if successful authentication has taken place between the mobile station and the selected PLMN. Therefore highly functional and highly reliable PLMN authentication methods can also be applied on roaming users in local networks. A user does not necessarily

have to have a subscription with a local network operator, but he may also be able to use local network services by means of a subscriber identification module provided by the UMTS operator (See paragraph [0009]),

4. Furthermore, Haverinen teaches the identifiers (PLMN ID) of the PLMNs to which it is possible to connect from the local network broadband access network (BAN). The data also includes each network element identifier linked with the PLMN network identifier PLMN ID, such as an identifier of the authentication server AUTS according to a preferred embodiment. This identifier determines the network element that should be applied when using UMTS network services. The identifier thus identifies the UMTS network PLMN in the local network BAN. The identifier can also indicate some other UMTS network PLMN service or network element, such as a support node BSN. The data on the UMTS network PLMN can be determined 201 after the operators of the UMTS network PLMN and the local network BAN have agreed on the use of the PLMN authentication services, or the data can be transmitted from the network PLMN whenever needed. According to a preferred embodiment, PLMN identifiers PLMN ID are also determined 201 in the USIM connected to the MS to be used in network selection. A PLMN ID can consist for example of MCC (Mobile Country Code) and MNC (Mobile Network Code) sections of the IMSI. The PLMN identifiers are added to the USIM for example during the personalization thereof before the home operator HPLMN gives the USIM to the user. It is possible to determine 201, in a memory included in the UICC, a PLMN identifier list controlled by the operator, and a PLMN identifier list controlled by

the user, which contain PLMN identifiers in order of priority. The PLMN identifiers can also be supplemented with an identifier indicating the access technology, such as UTRA or GSM. PLMN identifiers can also be determined in the memory M of the mobile station MS (See paragraph [0038].

5. Additional, Haverinen teaches a network is selected as far as possible according to the 3GPP UMTS specifications, and the PLMN lists and the USIM can be utilized in the MS similarly as in a UMTS mobile station. According to the UMTS specifications, network selection can be either automatic or manual. In automatic network selection, the PLMN list stored in the USIM is checked in order of priority to see whether a PLMN identifier determined on the list is defined in the system information received from the local network BAN. When the mobile station finds a UMTS network PLMN the PLMN ID of which is stored in the USIM and received from the local network BAN, the MS selects this PLMN. If none of the PLMN identifiers stored in the USIM are found among the PLMN identifiers received from the local network BAN, the user can be given a possibility to select a PLMN identifier. Even several lists can be stored in the USIM, for example a PLMN list controlled by the user and a PLMN list controlled by the operator, and the identifiers to be checked first are preferably those of the user's PLMN list. If network selection is manual, the user is shown all the names, or usually operator identifiers of the networks, according to the PLMN identifiers received from the local network, from which the user can select the PLMN to be used. These networks are usually presented in a similar order as on the list defined in the USIM. The mobile

station MS can also maintain a list of forbidden networks (forbidden PLMNs), which are not taken into account in the network selection 203 (See paragraph [0042]).

6. From the above, the examiner believes that the rejections of the claims are proper.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael T. Vu whose telephone number (571) 272-8131. The examiner can normally be reached on 8:30 AM – 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (571) 272-4090. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 272-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-9000.



Michael Vu  
Examiner